

I claim:

1. A closure with a tamper indicating band arrester,

5 comprising:

a closure having a top wall and skirt depending from a
peripheral edge of said top wall;

said skirt having a thread extending radially inward from
an inner surface thereof;

10 a tamper indicating band releasably connected to said skirt
by a plurality of frangible webs;

said tamper indicating band having an annular step
extending from an inner surface of said tamper indicating band;
and,

15 a tamper indicating bead extending radially inwardly from
said tamper indicating band, said bead positioned axially below
said annular step.

2. The closure with a tamper indicating band arrester of claim
1 further comprising a container with a container neck and a
20 finish bead having an upper portion and a lower portion disposed
on said container neck.

3. The closure with a tamper indicating band arrester of claim
2, where said annular step is operably engaging said lower
portion of said finish bead.

4. The closure with a tamper indicating band arrester of claim 2, said tamper indicating bead being positioned below said lower portion of said finish bead and having a smaller diameter than said lower portion of said finish bead.

5 5. The closure with a tamper indicating band arrester of claim 1 further comprising a knurled finish on an outer surface of said skirt.

6. The closure with a tamper indicating band arrester of claim 1 further comprising a frangible webs adjacent an upper portion
10 of said finish bead.

7. The closure with a tamper indicating band arrester of claim 1 further comprising a rotary seal depending downwardly and inwardly from said top wall and extending upwardly and outwardly from said skirt.

15 8. A closure with a tamper indicating band arrester, comprising:

a closure having a top wall and a skirt depending from a peripheral edge of said top wall;

said skirt having a thread extending radially inward from
20 and helically about an inner surface thereof;

a tamper indicating band frangibly connected to a lower edge of said skirt by a plurality of frangible webs;

said tamper indicating band arrestor having an annular
step; and,

a tamper indicating bead extending radially inward from
said tamper indicating band, said tamper indicating bead

5 positioned axially below said annular step.

9. The closure with a tamper indicating band arrestor of claim
8 further comprising a tamper indicating transition surface
connecting an inner surface of said annular step and an inner
surface of said tamper indicating band.

10 10. The closure with a tamper indicating band arrestor of claim
9 wherein said plurality of frangible webs are located above
said annular step.

11. The closure with a tamper indicating band arrestor of claim
9 wherein said plurality of frangible webs are adjacent said
15 upper portion of said finish bead.

12. The closure with a tamper indicating band arrestor of claim
10, said tamper indicating bead having a tapered wall connecting
an inner surface of said tamper indicating bead to an inner
surface of said tamper indicating band.

20 13. A closure and container combination, comprising:

a closure having a top wall and skirt depending from a
peripheral edge of said top wall;

said skirt having a thread extending radially inward from
an inner surface thereof;

a tamper indicating band frangibly connected to said skirt
by a plurality of frangible webs;

5 said tamper indicating band having an annular step
extending radially inwardly from an inner surface of said tamper
indicating band;

10 a tamper indicating bead extending radially inwardly from
said tamper indicating band, said tamper indicating bead
positioned axially below said annular step;

 a container having an open end and an annular neck bead
below said open end;

 said neck bead having an upper portion and a lower portion;

15 said annular step of said tamper indicating band in
interfering relationship with said lower portion of said neck
bead.

14. The closure container combination of claim 13, said tamper
indicating bead being positioned below said annular step and
having a smaller diameter than said annular step.

20 15. The closure and container combination of claim 13, said
container neck bead comprising an upper and a lower portion.

16. The closure and container combination of claim 15, said container neck bead upper portion having a smaller diameter than said container neck bead lower portion.

17. The closure and container combination of claim 13, further comprising a knurled finish on an outer surface of said skirt.

18. The closure and container combination of claim 13, wherein said plurality of frangible webs are located above said annular step and adjacent said upper portion of said finish bead.

19. The closure and container combination of claim 13, wherein said plurality of frangible webs are located adjacent said upper portion of said neck bead.

20. The closure and container combination of claim 13, said tamper indicating bead having at least one tamper indicating bead transition on said inner surface of said tamper indicating band.

21. A closure with a tamper indicating band arrester, comprising:

a closure having a top wall and a skirt depending from a peripheral edge of said top wall;

said skirt having a thread extending radially inward from an inner surface thereof;

a tamper indicating band frangibly connected to said skirt
by a plurality of frangible webs;

a container having a neck, a thread, and a container finish
bead;

5 said container finish bead having an upper and a lower
portion, said lower portion extending radially inward beyond
said upper portion between .02" and .07";

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10 said tamper indicating band having an annular step, said
annular step having a smaller diameter than a lower portion of a
finish bead and being positioned above said lower portion of
said finish bead;

 said plurality of frangible webs located above said annular
step;

15 a tamper indicating bead extending radial inwardly from
said tamper indicating band;

 said tamper indicating bead positioned axially below said
annular step.

22. The closure with a tamper indicating band arrester, of
claim 21 further comprising at least one tamper indicating band
20 transition depending from an inner surface of said annular step
and below said frangible web.

23. A container and closure with a tamper indicating band
arrester, comprising:

a container having a closure threadably received thereon;
a tamper indicating band frangibly connected a lower

5 peripheral edge of said closure;

said tamper indicating band and said container having means
to prevent tiring between a container finish bead and said
tamper indicating band.

24. A closure and container combination, comprising:

10 a closure having a top wall and skirt depending from a
peripheral edge of said top wall;

said skirt having a thread extending radially inward from
an inner surface thereof;

a tamper indicating band frangibly connected to said skirt
15 by a plurality of frangible webs;

said tamper indicating band having an annular step
extending radially inwardly from an inner surface of said tamper
indicating band;

a tamper indicating bead extending radially inwardly from
20 said tamper indicating band, said tamper indicating bead
positioned axially below said annular step;

a container having an open end and an annular neck bead
below said open end;

said annular step of said tamper indicating band in
interfering relationship with said neck bead.

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